

Claims

[c1] 1.A method for preparing steel for chroming, the method comprising the steps of:
cold rolling a strip of steel into a blank using an electron beam textured roller to a second predetermined thickness; and
coating the blank with Nickel and chrome.

[c2] 2.The method for preparing steel for chroming as defined in claim 1 wherein the step of cold rolling results in a strip surface finish of approximately 0.7 to 1.2 micrometers with a nominal roughness of 0.9 micrometers.

[c3] 3.The method for preparing steel for chroming as defined in claim 1 wherein the cold rolling process is performed by a tandem mill and a temper mill.

[c4] 4.The method for preparing steel for chroming as defined in claim 3 wherein the tandem mill is a four-high four stand cold reduction mill.

[c5] 5.The method for preparing steel for chroming as defined in claim 4 wherein the tandem mill rolls and the temper mill rolls are texturized with an electron beam.

[c6] 6.A method for preparing steel for chroming, the method comprising the steps of:
heating a strip of steel;
rolling the strip to a predetermined thickness; spraying the strip of steel with water;
immersing the strip in a descaling compound;
cleaning the strip;
drying the strip;
cold rolling the strip into a blank using an electron beam textured roller to a second predetermined thickness; and
coating the blank with Nickel and chrome.

[c7] 7.The method for preparing steel for chroming defined in claim 6, wherein a tandem mill performs the step of rolling the strip to a predetermined thickness.

[c8] 8.The method for preparing steel for chroming as defined in claim 6, wherein the strips are heated a temperature of approximately 2275 degrees Fahrenheit.

[c9] 9.The method for preparing steel for chroming as defined in claim 6, wherein the strips are rolled to a nominal thickness of 9 and $\frac{1}{4}$ inches.

[c10] 10.The method for preparing steel for chroming as defined in claim 6 wherein the strip is immersed in one of a sulphuric acid or a hydrochloric acid.

[c11] 11.The method for preparing steel for chroming as defined in claim 6 wherein the step of cold rolling results in a strip surface finish of approximately 0.7 to 1.2 micrometers with a nominal roughness of 0.9 micrometers.

[c12] 12.The method for preparing steel for chroming as defined in claim 6 wherein the cold rolling process is performed first by a tandem mill and second by a temper mill.

[c13] 13.The method for preparing steel for chroming as defined in claim 12 wherein the tandem mill is a four-high four stand cold reduction mill.

[c14] 14.The method for preparing steel for chroming as defined in claim 12 wherein the tandem mill rolls are texturized with an electron beam.